

Patent Abstracts of Japan

PUBLICATION NUMBER : 05278088
PUBLICATION DATE : 26-10-93

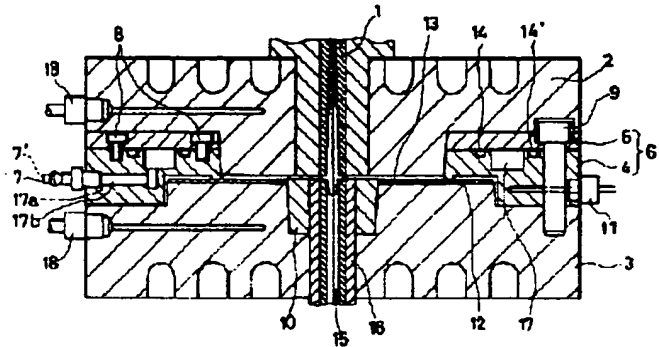
APPLICATION DATE : 04-03-92
APPLICATION NUMBER : 04046947

APPLICANT : SHARP CORP;

INVENTOR : NAGAURA TOSHIICHI;

INT.CL. : B29C 45/73 B29C 45/26 G11B 7/26 //
B29C 45/14 B29L 17:00

TITLE : MOLD FOR MOLDING OPTICAL DISC



ABSTRACT : PURPOSE: To make temp. of a molten resin in a cavity uniform and to improve transfer property on the outer peripheral part of an optical disc base sheet by providing a flow path for a heat medium in a ring for fixing a stamper on a movable mold and making the heat medium to flow in the flow path.

CONSTITUTION: A ring 6 for fixing a stamper 12 is provided on a movable mold 3 facing to a fixed mold 2. The ring 6 consists of a base 4 and a plate 5 and a channel 17 for making a heat medium to flow is provided on a base 4 and a plate 5 covering the channel 17 is fixed with a screw 8. Temperatures of the fixed mold 2 and the movable mold 3 are each controlled by means of a thermocouple 18 and the temperature of the ring 6 is controlled by means of a thermocouple 11. A heat medium is fed in the channel 17 to control in such a way that the temp. of the ring 6 is brought to the approximately same temp. as those of the molds 2 and 3. The molten plastic is thereby made flow uniformly to the outer peripheral side and it is possible to transfer accurately the shapes of the channel and the pit of the stamper on the whole face of the optical disc base sheet.

COPYRIGHT: (C)1993,JPO&Japio